

AMENDMENT TO THE SPECIFICATION

Pages 3-4, paragraph beginning on line 13, please amend the paragraph as follows:

It is known from US [[529899]] 5,298,993 to provide an instrumentless display calibration system which generates adjustment images with a symbol that appears light on dark when misadjusted in one direction; dark on light when misadjusted the other way; and disappears at the point when the display is adjusted correctly. This can be used to calibrate brightness, colour, gamma and sharpness. A plot of brightness versus numeric pixel value for a display can be used in various ways. For example, a palette lookup can precisely correct for display nonlinearities. In one scenario, a monitor is tested, and a correction palette generated for the monitor. Since a lot of customers do not have calibration equipment or the expertise to re-calibrate a display, monitor aging, repair or replacement parts could adversely affect the original calibration. Using the calibration system, the brightness curve could be regenerated quickly with the user observing and answering a computer prompt, "is the symbol lighter, darker or equal to the background?". The system can span the entire brightness curve. First, assign light to 100% white and dark to 0% white. With monitor adjustments fixed, a user can adjust a middle tone until the symbol disappears. This gives the numeric pixel value that results in a lumens output 50% (middle tone) of the halfway between white and dark. Next, the numeric value that provides 75% lumens can be calculated in one of two ways. First, dark can be assigned to the value just found to give 50% lumens as above, and leave light assigned to 100% white. Alternatively, a halftone pattern may be used that has 75% white pixels and 25% black pixels. In either case, the null for middle occurs at 75% lumens. The curve can be further articulated employing the same technique to whatever granularity required.